

# ActiFi™ Composite Cable, Tight-Buffered, Indoor

2 F, 2 Cu Conductor, 20AWG

CORNING

## Features and Benefits

### 2-in-1 composite cable design

One cable meets power and signal needs

### SMF-28® Ultra fibers

Reliable performance in challenging routes

### Individual fibres

Easily accessible for splicing

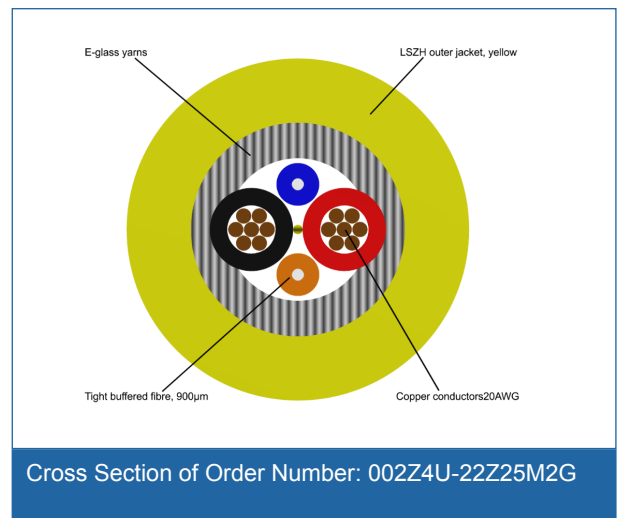
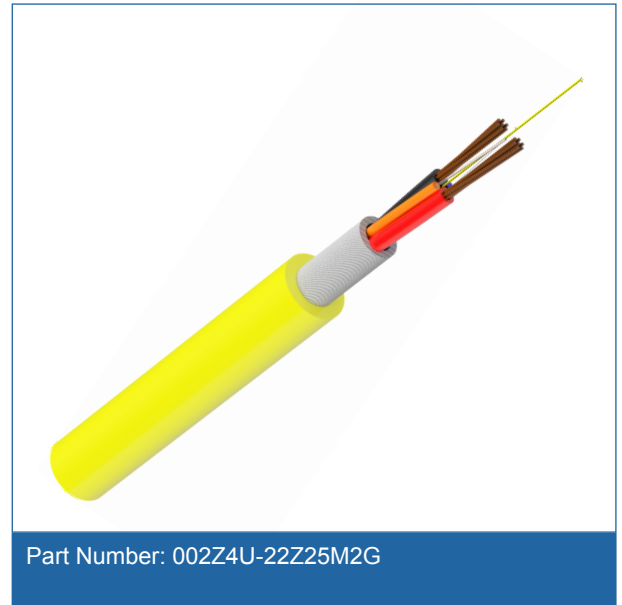
### Common Installations

Compliant with ICEA S-83-596 (compliant at tensile loads listed in the specifications table)

## Standards

### Design And Test Criteria

**Approvals and Listings** IEC 60794-1-21/22, IEC 60794



## Specifications

General Specifications	
Environment	Indoor
Cable type	Tight-buffered
Fibre category	SMF-28® Ultra fibre
Reaction to fire	Cca-s1a-d1-a1

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## Temperature Range

Storage	0 °C to 60 °C
Operation	0 °C to 60 °C

## Cable Design

Fibre count	2
Fibre colouring	Blue, Orange
Outer jacket material	Flame-retardant
Outer jacket colour	Yellow
Buffer tube colour coding	Blue, Orange
Conductor	20 AWG
Number of conductors	2
Conductor Colour	Red, Black
Conductor Construction	7 x 0.32 mm
Buffer Diameter	900 µm
Strength Elements	E-Glass Yarns

## Mechanical Characteristics Cable

Weight	70 kg/km
Nominal Outer Diameter	7.2 mm
Min. Bend Radius Installation	144 mm
Min. Bend Radius Operation	72 mm
Max. Tensile Strength, Long-Term	330 N
Max. tensile strength, short-term	1000 N

## Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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## Fibre Specifications

Optical Characteristics (cabled)	
Fibre name	SMF-28® Ultra TB Cable Optical Fibre
Mode-Field Diameter at 1310 nm	9.2 µm
Fibre code	Z
Coating diameter	242 µm
Cladding diameter	125 µm
Wavelengths	1310 nm / 1383 nm / 1550 nm
Maximum attenuation	0.38 dB/km / 0.38 dB/km / 0.25 dB/km
Serial 1 gigabit ethernet	5000 m / -
Serial 10 gigabit ethernet	10000 m / 40000 m
Cable cutoff wavelength	1260 nm
Dispersion in the range 1285 to 1330 nm	≤ 3.5 ps / (nm * km)
Dispersion @ 1550 nm	≤ 18 ps / (nm * km)
PMD Link Design Value	≤ 0.04 PS / √km
PMD maximum individual fibre	≤ 0.1 PS / √km
Fibre compliance	ITU-T G.652.D and ITU-T G.657.A1

Notes: 1) Contact a Corning Customer Care Representative for additional information

## Ordering Information

Part Number	002Z4U-22Z25M2G
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